



Data, Maps and Satellite Imagery

Event-based data and information

Most information in GDACS is organized by event. GDACS collects and organizes several data types:

- **GIS data:** In-situ sensor data, model output data, priority areas, baseline data, satellite image derived data (examples: flood extent, earthquake damage assessment, landslide extent) and more.
- **Media information:** mass and social media, specifically related to events
- **Field data:** reports, photos/videos, GEO-PICTURES and more

Maps

GDACS offers automatic links to map products such as baseline maps, situation specific maps, damage assessments and web-maps. These maps are integrated by event in the [VirtualOSSOC](#)

Satellite imagery

Satellite imagery is served as web-services when copyright allows for it. Most of the time, satellite image derived products, such as PDF and online web-maps, as well as for example flood extents and earthquake damage assessments derived from satellite imagery are the most useful products for early responders. These products are also served as web-services for in-field or headquarter mapping by UN, NGOs and national entities, in VirtualOSSOC and/or directly from the producing entity.

VirtualOSSOC facilitates on-demand map requests that are handled by UNITAR/UNOSAT, who coordinates the map production and dissemination among map producers worldwide in the early disaster phase. VirtualOSSOC users can also request triggering of the [International Charter - Space and Major Disasters](#) through GDACS/VirtualOSSOC, which then goes for review by OCHA and UNOSAT for potential activation.

GDACS **Satellite Mapping Coordination System (SMCS)** is a tool to inform of on-going and past satellite imagery analyses for specific events. It allows users to see which events are analysed by whom. This contributes to a horizontal (as opposed to top-down) coordination and to reduce duplication of efforts. The SMCS can be seen as a discussion forum and operational coordination tool for satellite image analysis professionals. GDACS encourages all satellite imagery analysis entities to contribute to the SMCS. To contribute please contact maps@gdacs.org

UNITAR/UNOSAT leads the GDACS working group on maps and satellite imagery and encourages all relevant entities to participate in this work, ensuring a close link to the GDACS user community. The [GDACS Satellite Mapping Coordination System \(SMCS\)](#) is a tool for GIS-experts working with satellite imagery for specific events. It allows users to see which images are collected where and which entity is working on what type of analysis.

SARWeather of the Icelandic Institute for Meteorological Research (IMR) provides detailed online weather forecast maps rapidly on request for any location worldwide. Relevant maps and forecasts are integrated automatically into VirtualOSSOC disaster

Satellite Mapping Overview

Title	Modified Date	Clicks
Satellite Mapping Overview	2/6/2018	93
Satellite Mapping Overview	1/30/2018	124
Satellite Mapping Overview	1/22/2018	216
Satellite Mapping Overview	1/16/2018	173
Satellite Mapping Overview	1/12/2018	148
Satellite Mapping Overview	12/28/2017	311
Satellite Mapping Overview	12/12/2017	242
Satellite Mapping Overview	12/4/2017	245
Satellite mapping overview	11/27/2017	273
Satellite mapping overview	11/20/2017	255
Satellite Mapping Overview	11/15/2017	293
Satellite Mapping Overview	11/7/2017	313
Satellite Mapping Overview	10/31/2017	307
Satellite Mapping Overview	10/23/2017	302
Satellite Mapping Overview	10/17/2017	286
Satellite Mapping Overview	10/2/2017	460
Satellite Mapping Overview	9/26/2017	429
Satellite Mapping Overview	9/26/2017	354
Satellite Mapping Overview	9/15/2017	662
Satellite Mapping Overview	9/7/2017	733